

<< Declaration of BEng major << Declaration of BBA major

School:		School of Engineering and School of Business Management			Student's Pathway										Remarks		
Program:		Dual Degree Program (BEng in Computer Engineering and BBA in Finance)			Year 1 Fall	Year 1 Spring	Year 2 Fall	Year 2 Spring	Year 3 Fall	Year 3 Spring	Year 4 Fall	Year 4 Spring	Year 5 Fall	Year 5 Spring		Sub-total	
Course Offering Dept. (course code prefix)	Course Code	Course Title / Courses List	Credits														
BEng in Computer Engineering																	
Major Requirements																	
Engineering Fundamental Courses																	
COMP	1021	Note: COMP1021 OR COMP1022P	3	3											3	Students should take COMP1021 which will also be used to substitute ISOM 2010 and to waive ISOM 2020	
COMP	1022P	Introduction to Computer Science	3														
LANG	2030	Technical Communication I	3												0	Waived for DDP students	
MATH	1012	Note: [(MATH 1012 OR MATH 1013 OR MATH 1023) AND (MATH 1014 OR MATH 1024)] OR [MATH 1020]	4-7													6	
MATH	1013	Calculus IA	4														
MATH	1014	Calculus IB	3	3													
MATH	1020	Accelerated Calculus	4														
MATH	1023	Honors Calculus I	3														
MATH	1024	Honors Calculus II	3														
MATH	2011	Introduction to Multivariable Calculus	3						3						3		
MATH	2111	Matrix Algebra and Applications	3						3						3		
PHYS	1112	Note: PHYS1112 OR PHYS1312	3	3											3		
PHYS	1312	General Physics I with Calculus	3														
PHYS	1114	Note: PHYS1114 OR PHYS1314	3							3					3		
PHYS	1314	General Physics II	3														
SENG		Engineering Introduction course (If the students take an introduction course included in their major, this course can be counted towards their major requirement.)	3-4	(3)											0		
Required credits for Engineering Fundamental Courses			25-29												21		
Major Required Courses and Electives																	
CPEG	1971	Note: [CPEG 1971 AND (CPEG 4901 OR CPEG 4902 OR CPEG 4911 OR CPEG 4912)] OR [CPEG 4910] (Students taking the Research Option must take either CPEG 4902 or CPEG 4912)	6														
CPEG	4901	Industrial Experience	0										3	3	6		
CPEG	4902	Computer Engineering Final Year Project in COMP	6														
CPEG	4911	Computer Engineering Final Year Thesis in COMP	6														
CPEG	4912	Computer Engineering Final Year Project in ELEC	6														
CPEG	4910	Computer Engineering Final Year Thesis in ELEC	6														
CPEG	2930	Co-op Program	6														
CPEG	2930	Academic and Professional Development I	0			0	0								0		
CPEG	3930	Academic and Professional Development II	0					0	0						0		
COMP	2011	Note: (COMP2011 AND COMP2012) OR COMP2012H	5-8														
COMP	2012	Programming with C++	4			4									8		
COMP	2012H	Object-Oriented Programming and Data Structures	4					4									
COMP	2012H	Honors Object-Oriented Programming and Data Structures	5														
COMP	2611	Note: COMP2611 OR ELEC2350	4														
ELEC	2350	Computer Organization	4				4								4		
ELEC	2350	Introduction to Computer Organization and Design	4														
COMP	2711	Note: COMP2711 OR COMP2711H	4									4			4		
COMP	2711H	Discrete Mathematical Tools for Computer Science	4														
COMP	2711H	Honors Discrete Mathematical Tools for Computer Science	4														
COMP	3511	Operating Systems	3									3			3		
ELEC	1100	Introduction to Electro-Robot Design	4			4									4		
ELEC	2100	Signals and Systems	4				4								4		
ELEC	2400	Electronic Circuits	4						4						4		
ELEC	2600	Probability and Random Processes in Engineering	4										4		4		
ELEC	3300	Introduction to Embedded Systems	4											4	4		
ENGG	2010	Engineering Seminar Series	0			0	0	0	0			4			0		
LANG	4030	Note: LANG4030 OR LANG4031	3											3	3		
LANG	4031	Technical Communication II for CSE, CPEG & DSCT	3														
LANG	4031	Technical Communication II for ECE & CPEG	3														
COMP/ELEC/ENGG		Area Courses [At least 2 courses should be taken from one area 12 and at least 1 course outside that area (including course(s) in the Courses without Associated Area).]	12			3						3	3	3	12		
COMP/ELEC		COMP/ELEC 2000-level or above Elective (Any course(s) of the subject and level as specified)	3									3			3		
Required credits for Major Requirements Courses and Electives			59-63												63		
BBA in Finance																	
School Requirements																	
ACCT	2010	Principles of Accounting I	3	3												3	
ACCT	2200	Principles of Accounting II	3							3						3	
ECON	2103	Note: ECON 2103 OR ECON 2113	3			3										3	
ECON	2113	Principles of Microeconomics	3														
ECON	2123	Note: ECON 2123 OR ECON 3123	3							3						3	
ECON	3123	Microeconomics	3														
ECON	3123	Macroeconomics	3														
FINA	2303	Financial Management	3													3	
ISOM	2010	Introduction to Information Systems	3						3							3	
ISOM	2020	Coding for Business	1													0	
ISOM	2500	Business Statistics	3				3									3	
ISOM	2800	Introduction to Business Analytics	1									1				1	
ISOM	2700	Operations Management	3									3				3	
MARK	2120	Marketing Management	3													3	
MGMT	2010	Business Ethics and the Individual	2										2			2	
MGMT	2110	Organizational Behavior	3													3	
MGMT	2130	Business Ethics and Social Responsibility	2											2		2	
LANG	2061	Note: LANG 2061 OR 3060	3											3	3	Non DDP-ECON students take ONLY a 3-credit of SBM-specific English course, in which they can choose from one of the three LANG courses (LANG 2061 or LANG 3060)	
LANG	3060	Professional Writing for the Workplace	3														
LANG	2062	Professional Speaking for the Workplace	3													0	Waived for DDP students
MATH	1003	Note: MATH 1003 OR MATH 1012 OR MATH 1013 OR MATH 1020 OR MATH 1023	3-4														
MATH	1012	Calculus and Linear Algebra	3														
MATH	1013	Calculus IA	4														
MATH	1020	Calculus IB	3														
MATH	1023	Accelerated Calculus	4														
MATH	1023	Honors Calculus I	3														
Required credits for School Requirements			45-46													35	
Major Requirements																	
Major Required Courses and Electives																	
FINA	3001	Key Skills for Finance Professionals (A)	1							1						1	
FINA	3103	Intermediate Investments	3							3						3	
FINA	3203	Derivative Securities	3								3					3	
FINA	3303	Intermediate Corporate Finance	3									3				3	
FINA	3810	Bloomberg Market Concepts Certification	0							0						0	
ACCT	3010	Note: (ACCT 3010 AND ACCT 3020) OR ACCT 3030	3-6														
ACCT	3020	Financial Accounting I	3									3				3	
ACCT	3030	Financial Accounting II	3														
ACCT	3030	Intermediate Financial Accounting for Non-Accounting Majors	3														
ISOM	3230	Note: ISOM 3230 OR ISOM 3400	3														
ISOM	3400	Business Programming in VBA	3														
ISOM	3400	Business Applications Development in Python	3														
FINA		FINA 3000-level or above Electives (Any 3 courses of the subject and level as specified)	9										3	3	3	9	
Required credits for Major Required Courses and Electives			25-28													25	
Additional Requirements																	
Requirements for Dual Degree Program																	
Required Courses																	
TEMG	1010	T&M Professional Activities	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TEMG	3950	T&M Case Analysis and Product Innovation	3			3										3	
TEMG	4950	T&M Corporate Consulting Project	3-5					4								4	
Required credits for Additional Requirements			7													7	
University CORE																	
CORE	C3 - C9	U CORE - Others	21													21	
CORE	C1 & C2	U CORE - English Language	6	3	3											6	
HMAW	1905	Behavioral Foundations of University Education: Habits, Mindsets, and Wellness	3	1	2											3	
Sub-total for University CORE			30													30	
Term load (excl. free credits)																	
16															17		
18															19		
20															18		
19															17		
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Notes:

() indicates the reuse of the same course to fulfill more than one requirement.

--- denotes the course/requirement is either waived or substituted

To graduate, students should complete all requirements as specified for DDP.